

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number:

091741843C

Source:

IFW16

Date Processed by STIC:

5-26-05

ENTERED



IFW16

RAW SEQUENCE LISTING

DATE: 05/26/2005

PATENT APPLICATION: US/09/741,843C

TIME: 12:13:19

Input Set : A:\40923.0048US3.txt

Output Set: N:\CRF4\05262005\I741843C.raw

4 <110> APPLICANT: LEUNG, Shui-on
5 HANSEN, Hans
7 <120> TITLE OF INVENTION: IMMUNOCONJUGATES AND HUMANIZED ANTIBODIES SPECIFIC FOR B-CELL

8 LYMPHOMA AND LEUKEMIA CELLS

10 <130> FILE REFERENCE: 40923-0048US3
12 <140> CURRENT APPLICATION NUMBER: 09/741,843C
13 <141> CURRENT FILING DATE: 2000-12-22
15 <150> PRIOR APPLICATION NUMBER: 09/127,902
16 <151> PRIOR FILING DATE: 1998-08-03
18 <150> PRIOR APPLICATION NUMBER: 08/690,102
19 <151> PRIOR FILING DATE: 1996-07-06
21 <150> PRIOR APPLICATION NUMBER: 08/289,576
22 <151> PRIOR FILING DATE: 1994-08-12
24 <160> NUMBER OF SEQ ID NOS: 22
26 <170> SOFTWARE: PatentIn version 3.1
28 <210> SEQ ID NO: 1
29 <211> LENGTH: 339
30 <212> TYPE: DNA
31 <213> ORGANISM: Murinae gen. sp.
33 <220> FEATURE:
34 <221> NAME/KEY: CDS
35 <222> LOCATION: (1)..(339)
36 <223> OTHER INFORMATION:

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40	Asp Ile Gln Leu Thr Gln Ser Pro Ser Ser Leu Ala Val Ser Ala Gly	
41	1 5 10 15	
43	gaa aac gtc act atg agc tgt aag tcc agt caa agt gtt tta tac agt	96
44	Glu Asn Val Thr Met Ser Cys Lys Ser Ser Gln Ser Val Leu Tyr Ser	
45	20 25 30	
47	gca aat cac aag aac tac ttg gcc tgg tac cag cag aaa cca ggg cag	144
48	Ala Asn His Lys Asn Tyr Leu Ala Trp Tyr Gln Gln Lys Pro Gly Gln	
49	35 40 45	
51	tct cct aaa ctg ctg atc tac tgg gca tcc act agg gaa tct ggt gtc	192
52	Ser Pro Lys Leu Leu Ile Tyr Trp Ala Ser Thr Arg Glu Ser Gly Val	
53	50 55 60	
55	cct gat cgc ttc aca ggc agc gga tct ggg aca gat ttt act ctt acc	240
56	Pro Asp Arg Phe Thr Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr	
57	65 70 75 80	
59	atc agc aga gta caa gtt gaa gac ctg gca att tat tat tgt cac caa	288
60	Ile Ser Arg Val Gln Val Glu Asp Leu Ala Ile Tyr Tyr Cys His Gln	
61	85 90 95	
63	tac ctc tcc tcg tgg acg ttc ggt gga ggg acc aag ctg gag atc aaa	336

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67 cgt
68 Arg
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73 <211> LENGTH: 113
74 <212> TYPE: PRT
75 <213> ORGANISM: Murinae gen. sp.
77 <400> SEQUENCE: 2
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79 1          5          10          15
82 Glu Asn Val Thr Met Ser Cys Lys Ser Ser Gln Ser Val Leu Tyr Ser
83          20          25          30
86 Ala Asn His Lys Asn Tyr Leu Ala Trp Tyr Gln Gln Lys Pro Gly Gln
87          35          40          45
90 Ser Pro Lys Leu Leu Ile Tyr Trp Ala Ser Thr Arg Glu Ser Gly Val
91          50          55          60
94 Pro Asp Arg Phe Thr Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
95 65          70          75          80
98 Ile Ser Arg Val Gln Val Glu Asp Leu Ala Ile Tyr Tyr Cys His Gln
99          85          90          95
102 Tyr Leu Ser Ser Trp Thr Phe Gly Gly Gly Thr Lys Leu Glu Ile Lys
103          100          105          110
106 Arg
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111 <211> LENGTH: 348
112 <212> TYPE: DNA
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118 <223> OTHER INFORMATION:
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122 Gln Val Gln Leu Gln Glu Ser Gly Ala Glu Leu Ser Lys Pro Gly Ala
123 1          5          10          15
125 tca gtg aag atg tcc tgc aag gct tct ggc tac acc ttt act agc tac
126 Ser Val Lys Met Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Ser Tyr
127          20          25          30
129 tgg ctg cac tgg ata aaa cag agg cct gga cag ggt ctg gaa tgg att
130 Trp Leu His Trp Ile Lys Gln Arg Pro Gly Gln Gly Leu Glu Trp Ile
131          35          40          45
133 gga tac att aat cct agg aat gat tat act gag tac aat cag aac ttc
134 Gly Tyr Ile Asn Pro Arg Asn Asp Tyr Thr Glu Tyr Asn Gln Asn Phe
135          50          55          60
137 aag gac aag gcc aca ttg act gca gac aaa tcc tcc agc aca gcc tac
138 Lys Asp Lys Ala Thr Leu Thr Ala Asp Lys Ser Ser Thr Ala Tyr
139 65          70          75          80
141 atg caa ctg agc agc ctg aca tct gag gac tct gca gtc tat tac tgt

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142 Met Gln Leu Ser Ser Leu Thr Ser Glu Asp Ser Ala Val Tyr Tyr Cys
143                               85                               90                               95
145 gca aga agg gat att act acg ttc tac tgg ggc caa ggc acc act ctc      336
146 Ala Arg Arg Asp Ile Thr Thr Phe Tyr Trp Gly Gln Gly Thr Thr Leu
147                               100                               105                               110
149 aca gtc tcc tcg                                                    348
150 Thr Val Ser Ser
151                               115
154 <210> SEQ ID NO: 4
155 <211> LENGTH: 116
156 <212> TYPE: PRT
157 <213> ORGANISM: Murinae gen. sp.
159 <400> SEQUENCE: 4
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161 1                               5                               10                               15
164 Ser Val Lys Met Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Ser Tyr
165                               20                               25                               30
168 Trp Leu His Trp Ile Lys Gln Arg Pro Gly Gln Gly Leu Glu Trp Ile
169                               35                               40                               45
172 Gly Tyr Ile Asn Pro Arg Asn Asp Tyr Thr Glu Tyr Asn Gln Asn Phe
173                               50                               55                               60
176 Lys Asp Lys Ala Thr Leu Thr Ala Asp Lys Ser Ser Ser Thr Ala Tyr
177 65                               70                               75                               80
180 Met Gln Leu Ser Ser Leu Thr Ser Glu Asp Ser Ala Val Tyr Tyr Cys
181                               85                               90                               95
184 Ala Arg Arg Asp Ile Thr Thr Phe Tyr Trp Gly Gln Gly Thr Thr Leu
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188 Thr Val Ser Ser
189                               115
192 <210> SEQ ID NO: 5
193 <211> LENGTH: 339
194 <212> TYPE: DNA
195 <213> ORGANISM: Homo sapiens
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200 <223> OTHER INFORMATION:
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205 1                               5                               10                               15
207 gat agg gtc act atg agc tgt aag tcc agt caa agt gtt tta tac agt      96
208 Asp Arg Val Thr Met Ser Cys Lys Ser Ser Gln Ser Val Leu Tyr Ser
209                               20                               25                               30
211 gca aat cac aag aac tac ttg gcc tgg tac cag cag aaa cca ggg aaa      144
212 Ala Asn His Lys Asn Tyr Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys
213                               35                               40                               45
215 gca cct aaa ctg ctg atc tac tgg gca tcc act agg gaa tct ggt gtc      192
216 Ala Pro Lys Leu Leu Ile Tyr Trp Ala Ser Thr Arg Glu Ser Gly Val

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217      50                      55                      60
219 cct tcg cga ttc tct ggc agc gga tct ggg aca gat ttt act ttc acc      240
220 Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Phe Thr
221 65                      70                      75                      80
223 atc agc tct ctt caa cca gaa gac att gca aca tat tat tgt cac caa      288
224 Ile Ser Ser Leu Gln Pro Glu Asp Ile Ala Thr Tyr Tyr Cys His Gln
225                      85                      90                      95
227 tac ctc tcc tcg tgg acg ttc ggt gga ggg acc aag gtg cag atc aaa      336
228 Tyr Leu Ser Ser Trp Thr Phe Gly Gly Gly Thr Lys Val Gln Ile Lys
229                      100                      105                      110
231 cgt      339
232 Arg
236 <210> SEQ ID NO: 6
237 <211> LENGTH: 113
238 <212> TYPE: PRT
239 <213> ORGANISM: Homo sapiens
241 <400> SEQUENCE: 6
242 Asp Ile Gln Leu Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
243 1                      5                      10                      15
246 Asp Arg Val Thr Met Ser Cys Lys Ser Ser Gln Ser Val Leu Tyr Ser
247                      20                      25                      30
250 Ala Asn His Lys Asn Tyr Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys
251                      35                      40                      45
254 Ala Pro Lys Leu Leu Ile Tyr Trp Ala Ser Thr Arg Glu Ser Gly Val
255      50                      55                      60
258 Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Phe Thr
259 65                      70                      75                      80
262 Ile Ser Ser Leu Gln Pro Glu Asp Ile Ala Thr Tyr Tyr Cys His Gln
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266 Tyr Leu Ser Ser Trp Thr Phe Gly Gly Gly Thr Lys Val Gln Ile Lys
267                      100                      105                      110
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273 <210> SEQ ID NO: 7
274 <211> LENGTH: 348
275 <212> TYPE: DNA
276 <213> ORGANISM: Homo sapiens
278 <220> FEATURE:
279 <221> NAME/KEY: CDS
280 <222> LOCATION: (1)..(348)
281 <223> OTHER INFORMATION:
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286 1                      5                      10                      15
288 tca gtg aag gtc tcc tgc aag gct tct ggc tac acc ttt act agc tac      96
289 Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Ser Tyr
290                      20                      25                      30
292 tgg ctg cac tgg gtc agg cag gca cct gga cag ggt ctg gaa tgg att      144
293 Trp Leu His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Ile

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294          35          40          45
296 gga tac att aat cct agg aat gat tat act gag tac aat cag aac ttc      192
297 Gly Tyr Ile Asn Pro Arg Asn Asp Tyr Thr Glu Tyr Asn Gln Asn Phe
298      50          55          60
300 aag gac aag gcc aca ata act gca gac gaa tcc acc aat aca gcc tac      240
301 Lys Asp Lys Ala Thr Ile Thr Ala Asp Glu Ser Thr Asn Thr Ala Tyr
302 65          70          75          80
304 atg gag ctg agc agc ctg agg tct gag gac acg gca ttt tat ttt tgt      288
305 Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Phe Tyr Phe Cys
306          85          90          95
308 gca aga agg gat att act acg ttc tac tgg ggc caa ggc acc acg gtc      336
309 Ala Arg Arg Asp Ile Thr Thr Phe Tyr Trp Gly Gln Gly Thr Thr Val
310          100          105          110
312 acc gtc tcc tcg      348
313 Thr Val Ser Ser
314      115
317 <210> SEQ ID NO: 8
318 <211> LENGTH: 116
319 <212> TYPE: PRT
320 <213> ORGANISM: Homo sapiens
322 <400> SEQUENCE: 8
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324 1          5          10          15
327 Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Ser Tyr
328      20          25          30
331 Trp Leu His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Ile
332      35          40          45
335 Gly Tyr Ile Asn Pro Arg Asn Asp Tyr Thr Glu Tyr Asn Gln Asn Phe
336      50          55          60
339 Lys Asp Lys Ala Thr Ile Thr Ala Asp Glu Ser Thr Asn Thr Ala Tyr
340 65          70          75          80
343 Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Phe Tyr Phe Cys
344          85          90          95
347 Ala Arg Arg Asp Ile Thr Thr Phe Tyr Trp Gly Gln Gly Thr Thr Val
348          100          105          110
351 Thr Val Ser Ser
352      115
355 <210> SEQ ID NO: 9
356 <211> LENGTH: 116
357 <212> TYPE: PRT
358 <213> ORGANISM: Homo sapiens
360 <400> SEQUENCE: 9
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362 1          5          10          15
365 Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Ser Tyr
366      20          25          30
369 Trp Leu His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Ile
370      35          40          45
373 Gly Tyr Ile Asn Pro Arg Asn Asp Tyr Thr Glu Tyr Asn Gln Asn Phe

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VERIFICATION SUMMARY

DATE: 05/26/2005

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TIME: 12:13:20

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Output Set: N:\CRF4\05262005\I741843C.raw

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L:120 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:3,Line#:118
L:202 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:5,Line#:200
L:283 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:7,Line#:281